

Amendments to the claims:

This listing of claims supercedes all prior versions.

1. (Currently amended) Air supply device for obtaining zones of clean air in premises, said air supply device (1) comprising at least one air permeable body (11) including at least one inner and at least one outer part (12, 13) of which the inner part (12) consists of or includes porous material, wherein: at least one fan device (22) is provided to bring air (A), which is to be supplied to the premises (2), to flow through the air permeable body (11) at low air velocity, at least one device (23) is provided to see to that the air (A) supplied to the premises (2) has a lower temperature than the air in said premises (2), the air permeable body (11), in cross section, has the shape of parts of a circle or substantially a circle or primarily parts of a circle or substantially a circle, and the combination that the inner part (12) consists of or includes porous material and the outer part (13) has passages (16) which are substantially rectilinear, substantially uniform in thickness and located close to each other, said passages (16) further having a length (L) which is at least four times greater than their width (B) in order to generate rectilinear and uniformly distributed partial air streams (6a) for making a turbulent zone (7a) around the clean-air zone (7) more narrow so that the turbulence around the clean-air zone (7) hereby becomes less and wherein the air flow generated through said air permeable body is substantially laminar characterized by parallel air streams.
2. (Previously presented) Air supply device according to claim 1, wherein the length (L) of each passage (16) is 4-10 times greater than their width (B).
3. (Previously presented) Air supply device according to claim 2, wherein the length (L) of each passage (16) is 4-6 times greater than their width (B).
4. (Previously presented) Air supply device according to claim 1, wherein: the passages (16)

have a circular or substantially circular cross section, and they have the same or substantially the same diameter along their entire length (L).

5. (Previously presented) Air supply device according to claim 1, wherein all or almost all passages (16) are of equal length.

6. (Previously presented) Air supply device according to claim 1, wherein the passages (16) are defined by tubes (17) which are located close to each other and connected to each other.

7. (Previously presented) Air supply device according to claim 6, wherein the tubes (17) are made of a plastic material.

8. (Previously presented) Air supply device according to claim 6, wherein the tubes (17) are made of a metallic material.

9. (Previously presented) Air supply device according to claim 6, wherein the tubes (17) are made of a ceramic material.

10. (Previously presented) Air supply device according to claim 6, wherein the tubes (17) are interconnected by fusing.

11. (Previously presented) Air supply device according to claim 1, wherein the porous material (14) of the inner part (12) is designed to permit filtration of air flowing through said porous material in order to obtain a low content of particles in the premises (2).

12. (Previously presented) Air supply device according to claim 1, wherein the porous material (14) of the inner part (12) consists of foamed plastic with open cells.

13. (Previously presented) Air supply device according to claim 1, wherein the outer part (13) is thicker than the inner part (12).

14. (Previously presented) Air supply device according to claim 1, wherein the outer part (13) consists of a heat resistant material.

15. (Previously presented) Air supply device according to claim 1, wherein the inner and outer parts (12, 13) are connected to each other.

16. (Previously presented) Air supply device according to claim 1, wherein the body (11) is in cross section shaped as a semicircle or substantially as a semicircle.

17. (Previously presented) Air supply device according to claim 1, wherein the air permeable body (11) is in cross section shaped as a quarter of a circle or substantially as a quarter of a circle.

18. (Previously presented) Air supply device according to claim 1, wherein the air permeable body (11) is shaped as a spherical segment or as a substantially spherical segment.

19. (Previously presented) Air supply device according to claim 1, wherein the device (23) which is provided to see to that the air (A) supplied to the premises (2) has a lower temperature than the air in said premises (2), is provided to supply air at such temperature that said air descends to a low level in the premises (2).

20. (Previously presented) Air supply device according to claim 1, wherein: impure air is gathered in an upper zone (18) closest to the ceiling (9) of the premises (2), at least one air outlet (19) for impure air is provided at the ceiling (9) of the premises (2), and the air permeable body (11) is located beneath the upper zone (18) such that substantially no impure air is co ejected out of the upper zone (18) by the air streams (6) discharged by the air permeable body (11).

21. (Previously presented) Air supply device according to claim 1, wherein the air permeable

body (11) is located above a door (20) to the premises (2) and it is elongated and extends along at least a part of the width of the door (20).

22. (Previously presented) Air supply device according to claim 1, wherein the device (23) which is provided to see to that the air (A) supplied to the premises (2) has a lower temperature than the air in said premises (2), is a device for taking in cool air and/or includes a cooling device or is a cooling device for cooling air.

23. (Previously presented) Air supply device according to claim 1, wherein said porous material retards air flow such that air flow is distributed over an entire inner surface of said inner part (12) and a semi-laminar flow is generated at an inner surface of said outer part (13).

24. cancelled.